



REPLACEMENT SHEET

1/19

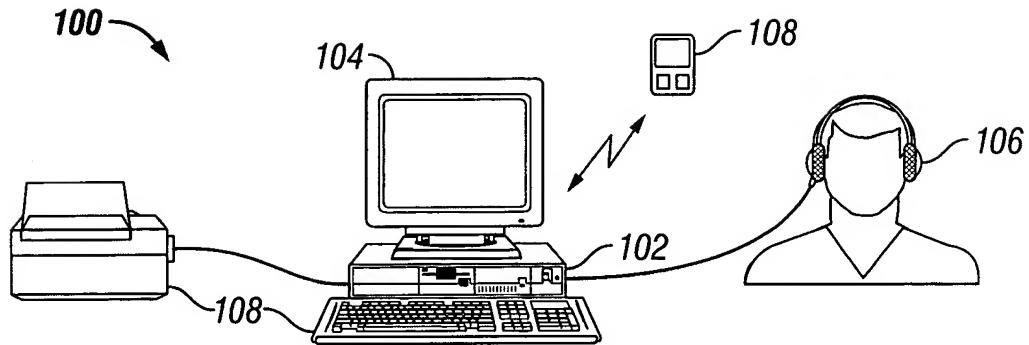


FIG. 1

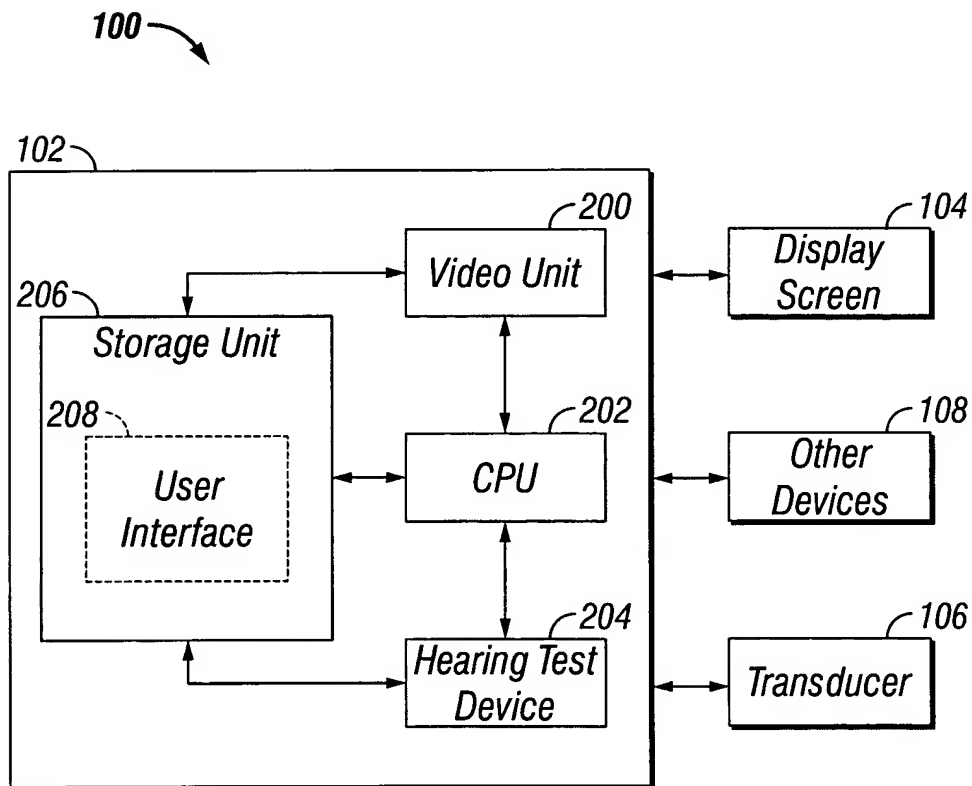


FIG. 2

2/19

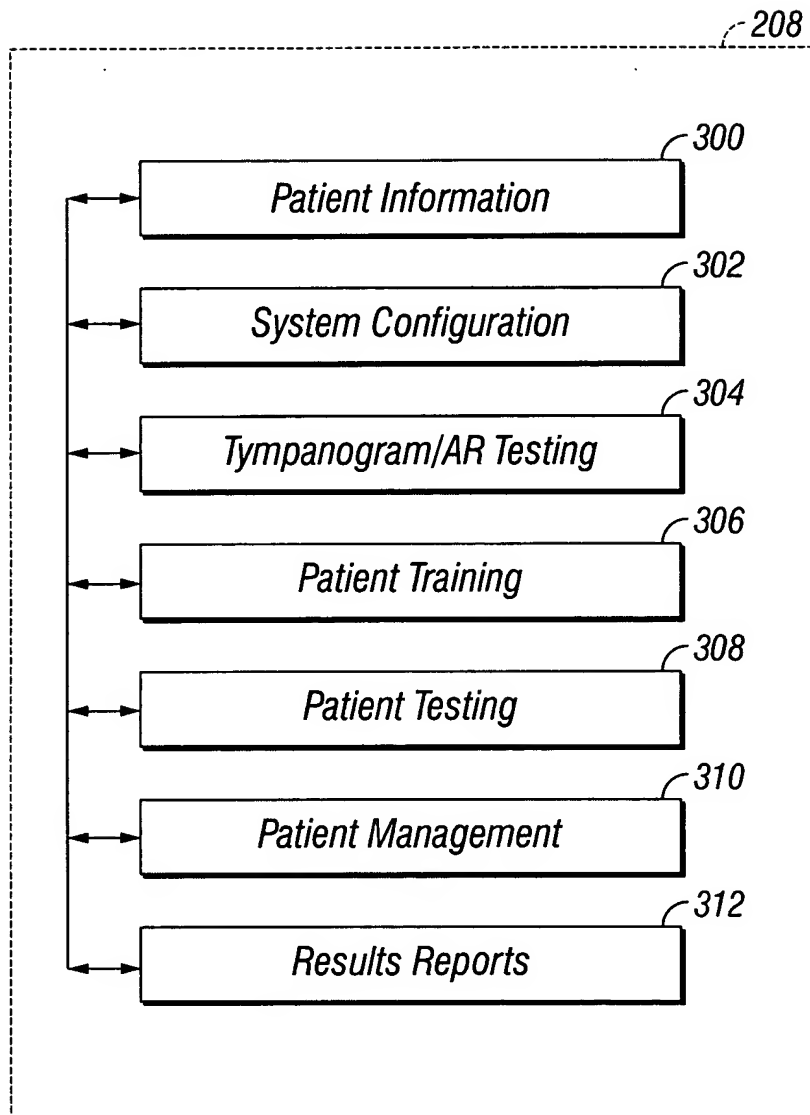
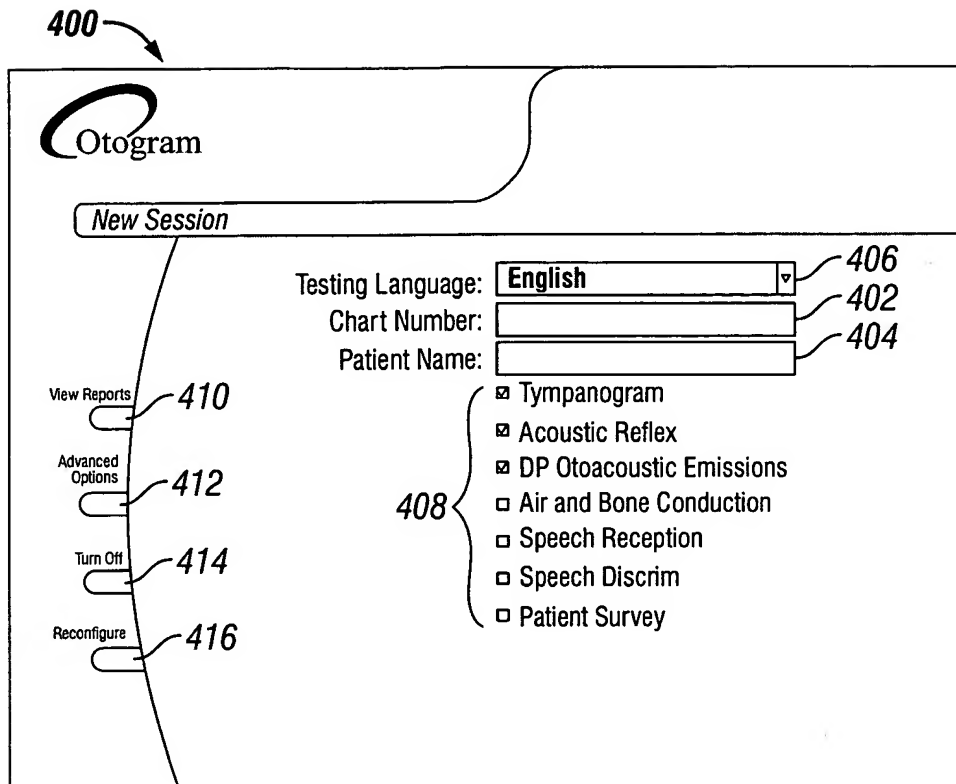


FIG. 3

3/19

400



The screen displays the 'Otoqram' logo at the top left. Below it is a 'New Session' button. On the left side, there is a vertical menu with four options: 'View Reports' (410), 'Advanced Options' (412), 'Turn Off' (414), and 'Reconfigure' (416). On the right side, there are three input fields: 'Testing Language:' with a dropdown menu showing 'English' (406), 'Chart Number:' (402), and 'Patient Name:' (404). Below these fields is a list of test options (408) with checkboxes: 'Tympanogram', 'Acoustic Reflex', 'DP Otoacoustic Emissions', 'Air and Bone Conduction', 'Speech Reception', 'Speech Discrim', and 'Patient Survey'.

Otoqram

New Session

Testing Language: English 406

Chart Number: 402

Patient Name: 404

View Reports 410

Advanced Options 412

Turn Off 414

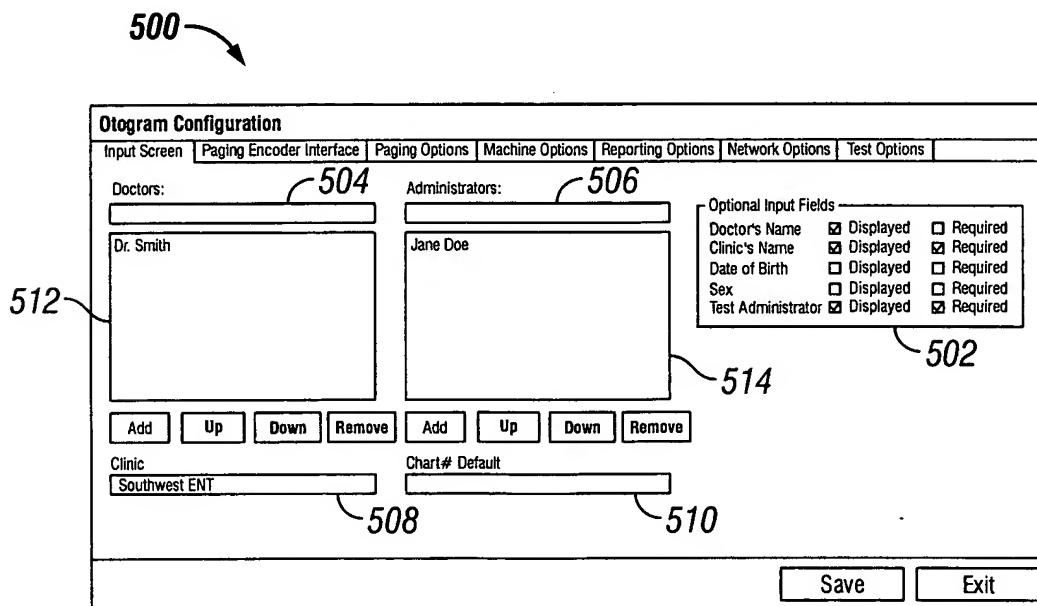
Reconfigure 416

408

- ☒ Tympanogram
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception
- ☐ Speech Discrim
- ☐ Patient Survey

FIG. 4

500



The screen is titled 'Otoqram Configuration'. It has a tabbed interface with tabs for 'Input Screen', 'Paging Encoder Interface', 'Paging Options', 'Machine Options', 'Reporting Options', 'Network Options', and 'Test Options'. The 'Input Screen' tab is active. It contains two main sections: 'Doctors:' (504) and 'Administrators:' (506). Each section has a list box showing names ('Dr. Smith' and 'Jane Doe' respectively) and a set of buttons ('Add', 'Up', 'Down', 'Remove'). To the right of these sections is a table of 'Optional Input Fields' (502) with checkboxes for 'Displayed' and 'Required' for various fields. At the bottom, there are fields for 'Clinic' (508) and 'Chart# Default' (510), and 'Save' and 'Exit' buttons.

Otoqram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Doctors: 504

Administrators: 506

Optional Input Fields 502

Doctor's Name	<input checked="" type="checkbox"/> Displayed	<input type="checkbox"/> Required
Clinic's Name	<input checked="" type="checkbox"/> Displayed	<input checked="" type="checkbox"/> Required
Date of Birth	<input type="checkbox"/> Displayed	<input type="checkbox"/> Required
Sex	<input type="checkbox"/> Displayed	<input type="checkbox"/> Required
Test Administrator	<input checked="" type="checkbox"/> Displayed	<input checked="" type="checkbox"/> Required

512

514

508

510

Save

Exit

FIG. 5A

REPLACEMENT SHEET

4/19

520

Otogram Configuration

Input Screen | **Paging Encoder Interface** | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

522 ☒ Paging Encoder is Attached

524 {

Communications Port: 1

Encoder ID: WaveWare Paging Encoder

Encoder Timeout: 500

Pager CapCode: 0000100

Pager Data Rate: 5

Save Exit

FIG. 5B

530

Otogram Configuration

Input Screen | **Paging Encoder Interface** | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

532 ☒ Page Administrator at end of testing session

534 ☐ Page Administrator at end of each test

536 ☒ Page Administrator after inactivity threshold

538 ☒ Page Administrator after inability to reach pure tone threshold

Page Format [%N-Patent Name, %T-Test Name.]

539 {

%N's Otogram is completed.

%N has completed the %T test.

%N is not progressing through the %T test.

Inactivity Threshold (in seconds): 120

%N is not progressing through the %T test.

Inability Threshold (in seconds): 360

540

Paging Device: Radio

Network Paging Drop:

Save and Exit Exit

FIG. 5C

REPLACEMENT SHEET

5/19

544

Otogram Configuration

Input Screen	Paging Encoder Interface	Paging Options	Machine Options	Reporting Options	Network Options	Test Options
--------------	--------------------------	----------------	-----------------	-------------------	-----------------	--------------

Machine Identifier

546

Save Exit

FIG. 5D

548

Otogram Configuration

Input Screen	Paging Encoder Interface	Paging Options	Machine Options	Reporting Options	Network Options	Test Options
--------------	--------------------------	----------------	-----------------	-------------------	-----------------	--------------

Number of reports to print automatically at end of testing session 550

Minimum intensity to report 552

Save Exit

FIG. 5E

REPLACEMENT SHEET

6/19

554

Otoqram Configuration

Input Screen | Paging Encoder Interface | **Paging Options** | Machine Options | Reporting Options | Network Options | Test Options

Web server root: 556

Save and Exit | Exit

FIG. 5F

560

Otoqram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

564 { Speech Reception Threshold | Survey | DP Otoacoustic Emissions | Tympanometry | Acoustic Reflex | Speech Discrimination

Name: 568

	250	500	1K	2K	3K	4K	6K	8K	
Always	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	570
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
As Needed	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	

☐ Always mask bone 574

PTA is defined as average of:

- ☒ 2 best of 500Hz, 1kHz and 2kHz
- ☐ 500Hz + best of 1kHz or 2kHz
- ☐ 500Hz, 1kHz and 2kHz
- ☐ 500Hz, 1kHz, 2kHz, 3 or 4kHz

566

572

Test Selection Defaults:

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

562

Save and Exit | Exit

FIG. 5G

REPLACEMENT SHEET

7/19

560

Otogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Name: 578

Comm Port: ☐ Zodiac 901 ☐ GSI-38 ☒ Ruffy ☐ No Tym Attached

Starting Pressure (daPa): 580

Ending Pressure (daPa): 576

Calibration Values 582

	Left	Right
0.5 cm3	<input type="text" value="0"/> Cal	<input type="text" value="-25.76"/> Cal
2.0 cm3	<input type="text" value="0"/> Cal	<input type="text" value="-21.21"/> Cal
4.0 cm3	<input type="text" value="0"/> Cal	<input type="text" value="-17.61"/> Cal

Test Selection Defaults 562

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

Save and Exit Exit

FIG. 5H

560

Otogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Name: 584

Ipsilateral Contralateral

500	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Initial dB Level	<input type="text" value="75"/>
1K	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dB Increment Size	<input type="text" value="10"/>
2K	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reflex Threshold (cm3)	<input type="text" value="0.05"/>
4K	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

585 583 586

Test Selection Defaults 562

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

Save and Exit Exit

FIG. 5I

REPLACEMENT SHEET

8/19

560

Otoagram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions | Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Name: Discrim 588

Presentation Base Level: AI Boost: 0

Presentation Type: Closed

Maximum Presentations: 12

Min Presentation Level: 30

Max Presentation Level: 120 587

Word List (Open Set, English Only): W-22

589

Test Selection Defaults

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

562

Save and Exit Exit

FIG. 5J

560

Otoagram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination | Speech Reception Threshold | Survey | DP Otoacoustic Emissions

Name: SRT 591

590

Test Selection Defaults

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

562

Save and Exit Exit

FIG. 5K

REPLACEMENT SHEET

9/19

560

Otoqram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Speech Reception Threshold | Survey | DP Otoacoustic Emissions

Name: } 593

Survey Name:

592

Test Selection Defaults:

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

562

Save and Exit Exit

FIG. 5L

560

Otoqram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Speech Reception Threshold | Survey | DP Otoacoustic Emissions

Name: 595

596

	Test	Response Floor	Noise Ceiling	L1 (db)
500	<input checked="" type="checkbox"/>	<input type="text" value="-5"/>	<input type="text" value="15"/>	<input type="text" value="60"/>
1K	<input checked="" type="checkbox"/>	<input type="text" value="-5"/>	<input type="text" value="0"/>	<input type="text" value="50"/>
2K	<input checked="" type="checkbox"/>	<input type="text" value="-5"/>	<input type="text" value="-10"/>	
4K	<input checked="" type="checkbox"/>	<input type="text" value="-5"/>	<input type="text" value="-15"/>	

594

Test Selection Defaults:

- ☒ Tympanometry
- ☒ Acoustic Reflex
- ☒ DP Otoacoustic Emissions
- ☐ Air and Bone Conduction
- ☐ Speech Reception Threshold
- ☐ Speech Discrimination
- ☐ Patient Survey

562

Save and Exit Exit

FIG. 5M

REPLACEMENT SHEET

10/19

600

Otogram

Test > Tympanogram

Measuring

Right Tymp - 19:59

608 Command

606

	500 Hz	1000 Hz	2000 Hz	4000 Hz
Right Ear				
ECV	1.84 mmho			
SC	3.38 mmho			
MEP	-90 daPa			
Ipsi	NA	NA	NA	NA
Contra				
OAE	-16.77	-10.63	-17.83	-35.57
Response	-20.36	-17.52	-32.11	-30.12

604

Left Ear

	500 Hz	1000 Hz	2000 Hz	4000 Hz
ECV	mmho			
SC	mmho			
MEP	daPa			
Ipsi				
Contra				
OAE				
Response				

Pressurizing

610 Skip This Ear

FIG. 6A

612

Otogram

Test > Tympanogram

Measuring

Done. Review Results.

618 Command

614

	500 Hz	1000 Hz	2000 Hz	4000 Hz
Right Ear				
ECV	1.96 mmho			
SC	2.94 mmho			
MEP	-100 daPa			
Ipsi	NA	NA	NA	NA
Contra				
OAE	-21.28	-11.05	-17.16	-46.41
Response	-29.47	5.77	-33.34	-34.93

Left Ear

	500 Hz	1000 Hz	2000 Hz	4000 Hz
ECV	mmho			
SC	mmho			
MEP	daPa			
Ipsi				
Contra				
OAE				
Response				

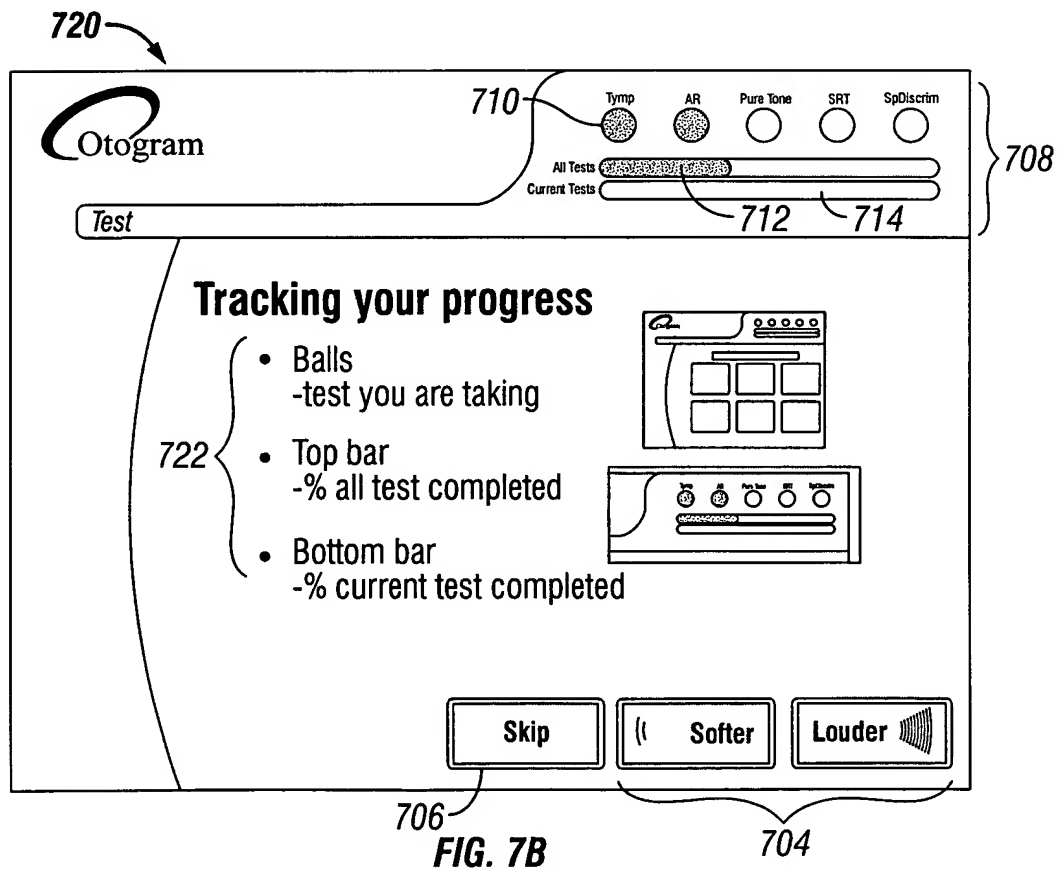
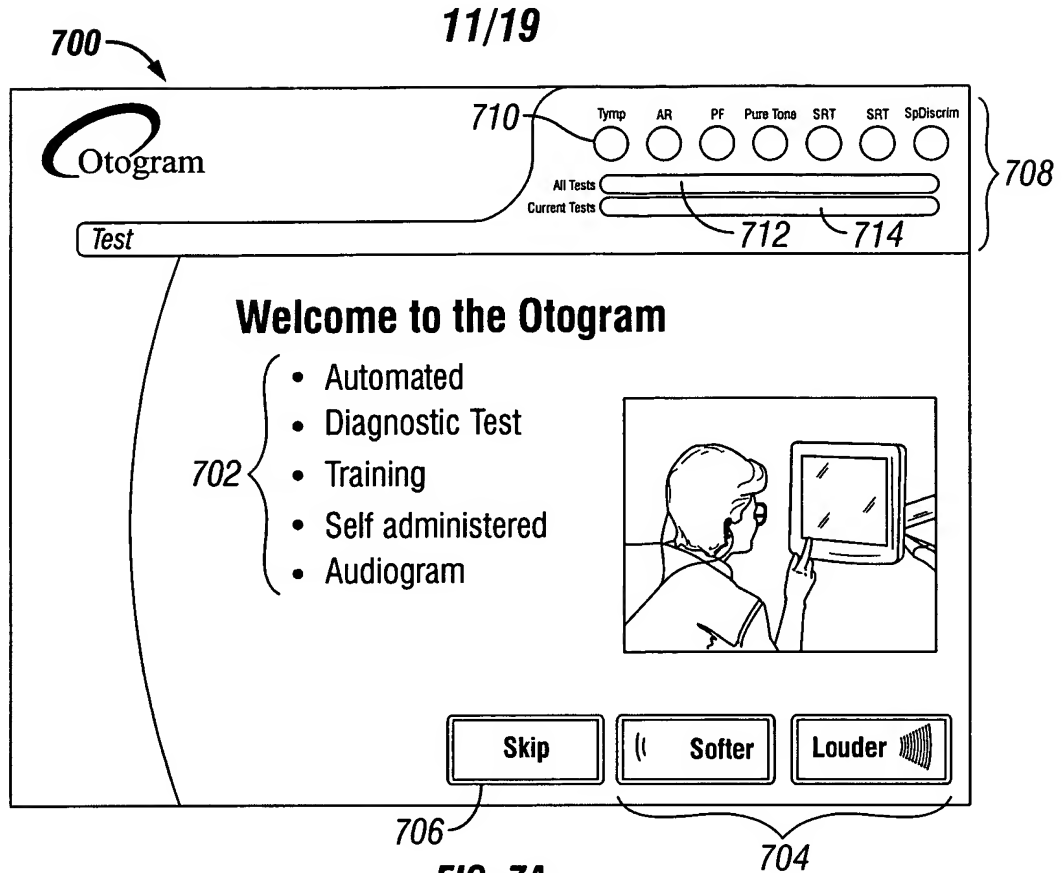
Pressurizing

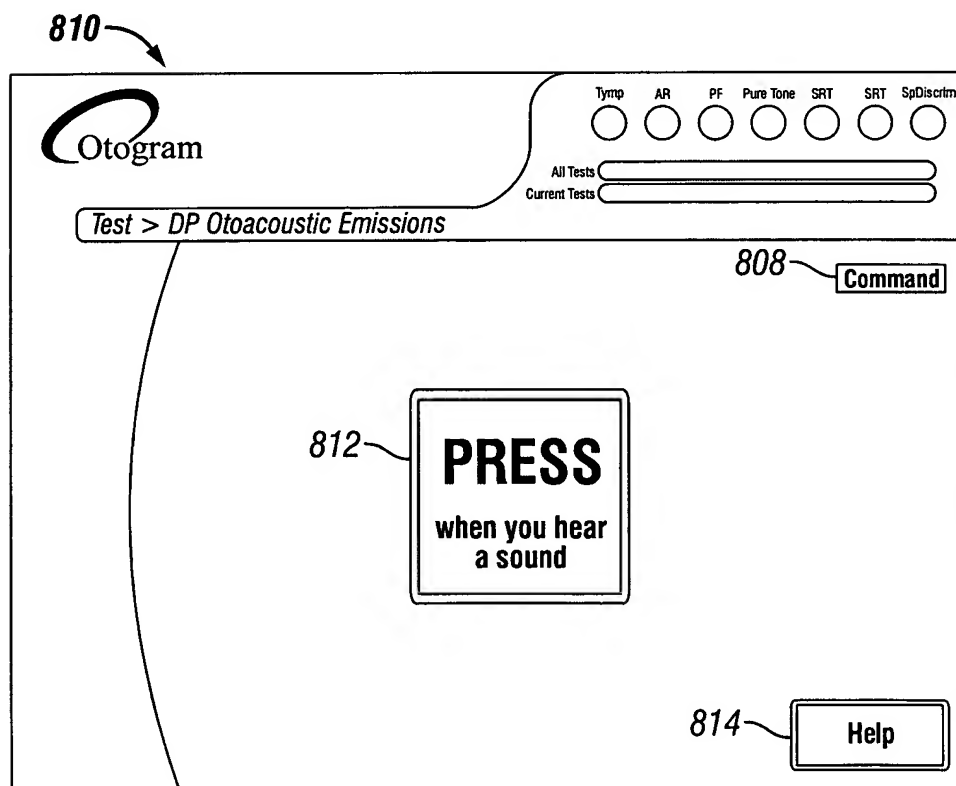
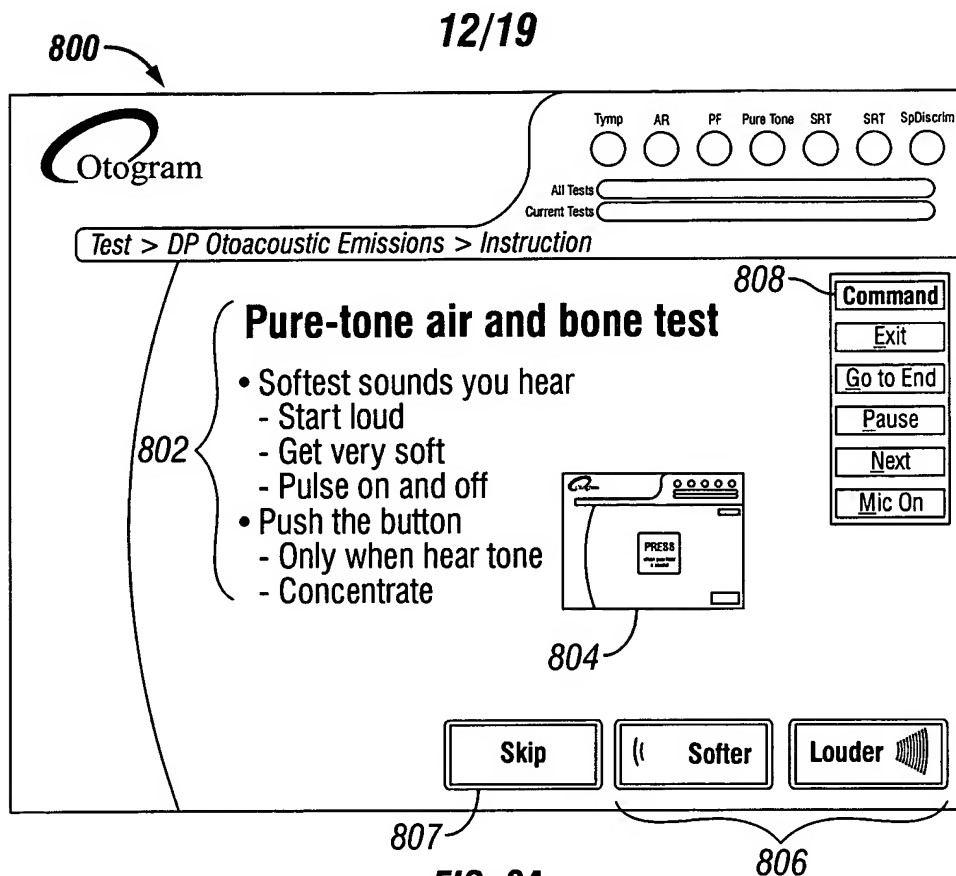
616 Redo Right

618 Redo Left

FIG. 6B

REPLACEMENT SHEET





13/19

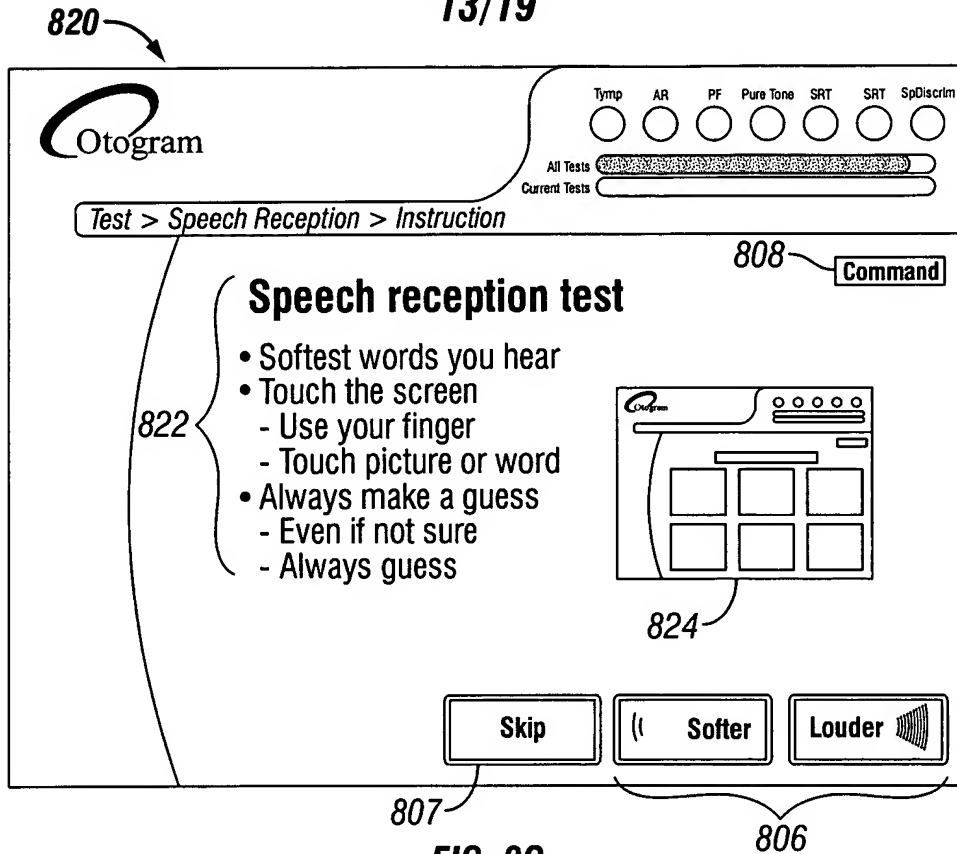


FIG. 8C

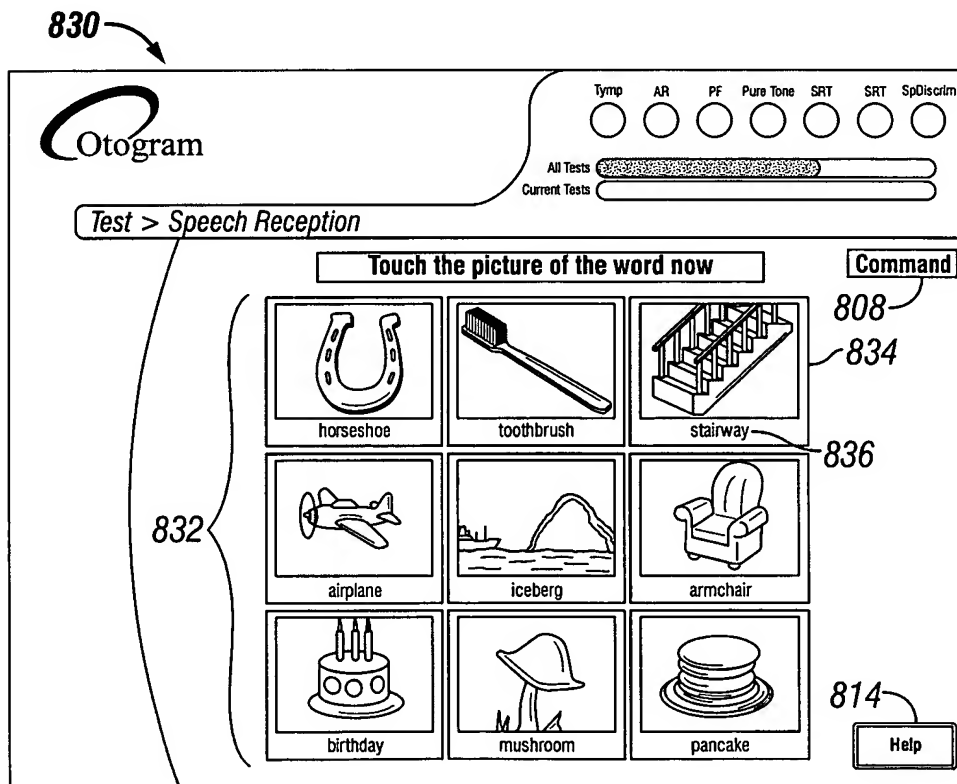


FIG. 8D

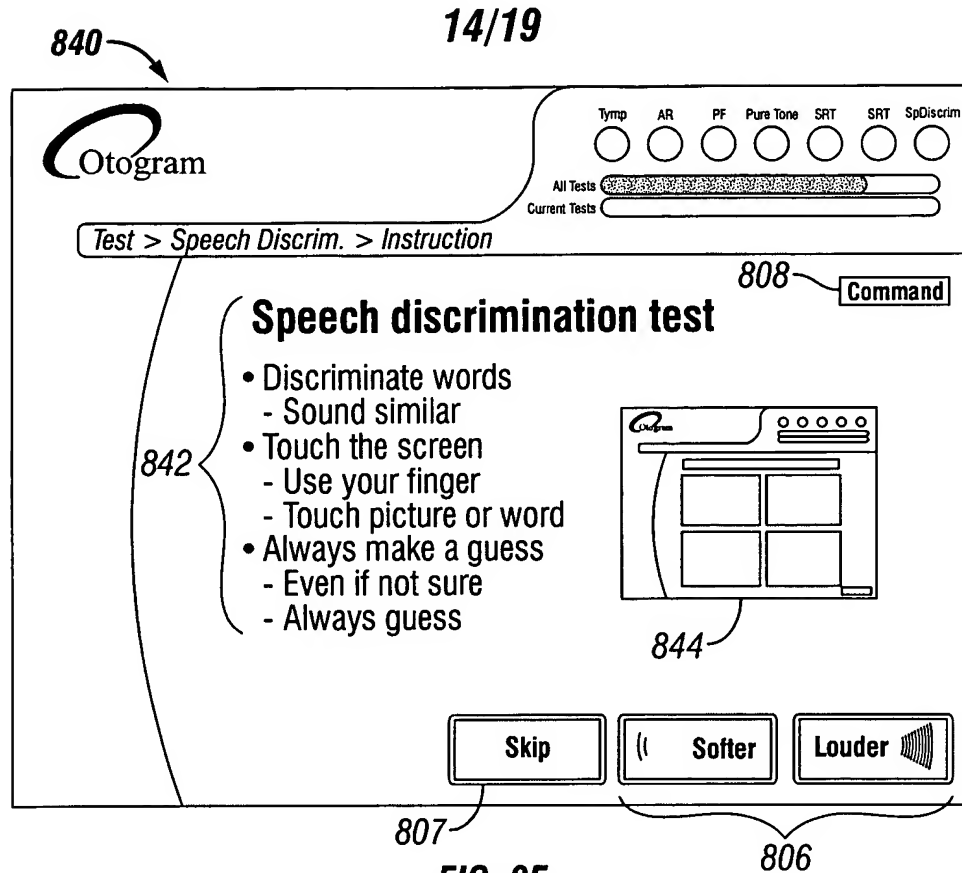


FIG. 8E

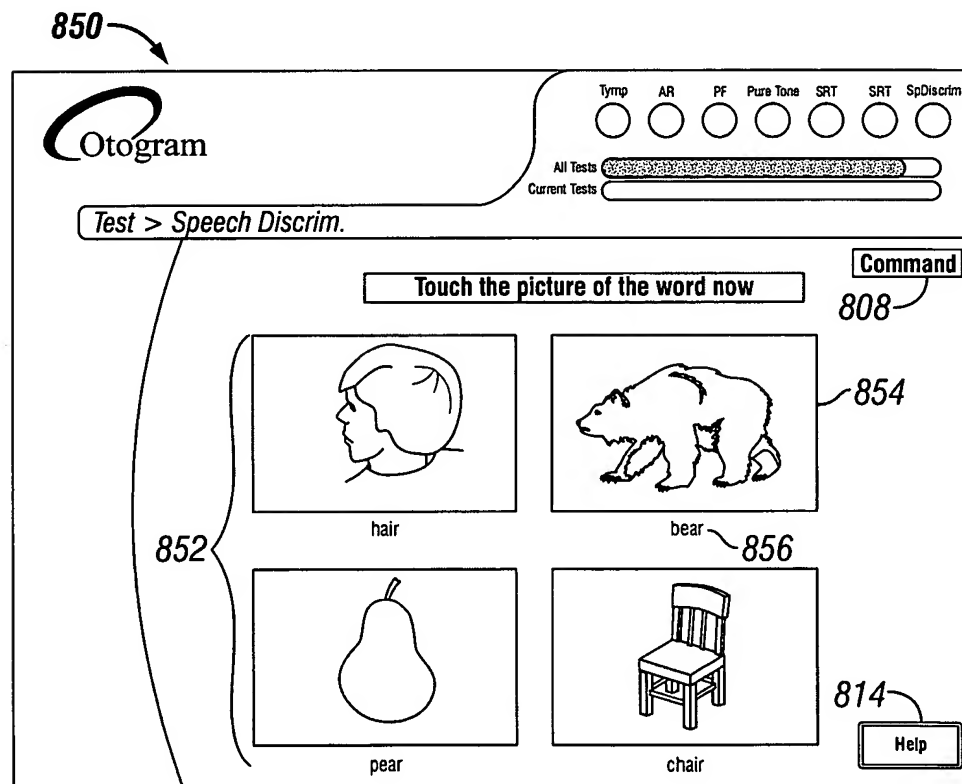


FIG. 8F

REPLACEMENT SHEET

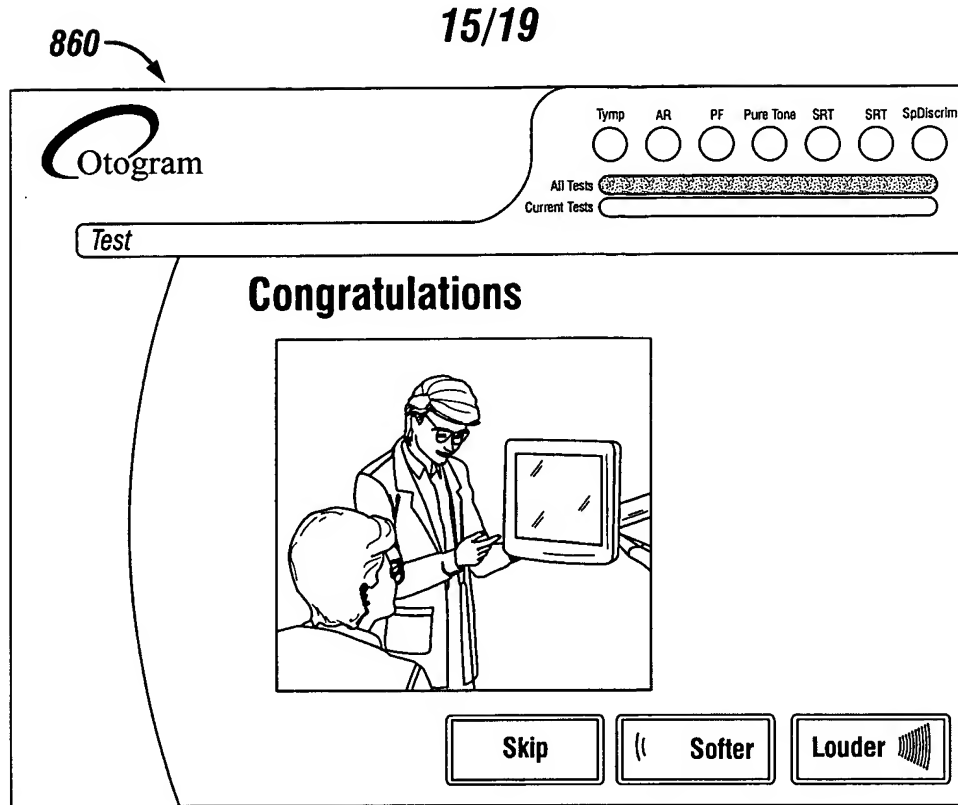


FIG. 8G

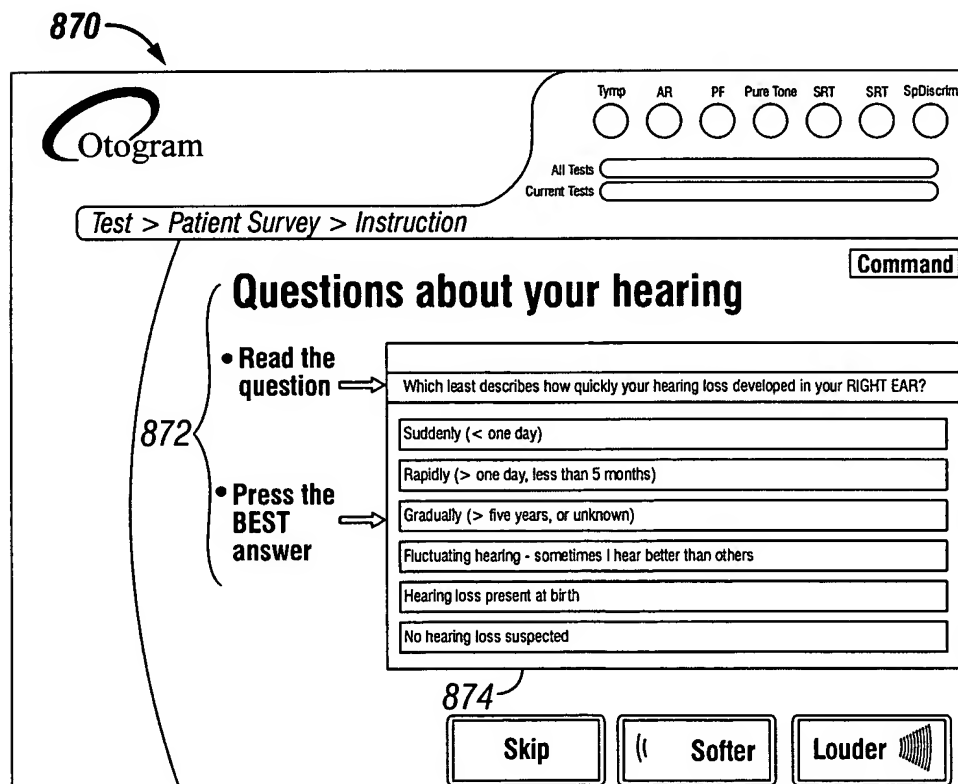


FIG. 8H

16/19

880

Otogram

Test > Patient Survey

Tymp AR PF Pure Tone SRT SRT SpDiscrim
☐ ☐ ☐ ☐ ☐ ☐ ☐

All Tests

Current Tests

Hearing Questionnaire

882 Does a hearing problem cause you to use the phone less often than you would like?

884

Yes

Sometimes

No

Command

FIG. 8I

900

**The test administrator
has been paged.**

**Please wait for the
administrator to return.**

FIG. 9

REPLACEMENT SHEET

17/19

1000

Otogram

Report

Redo Some Tests 1002

New Session 1004

View Report 1006

Print Billing 1008

Print Report 1010

Tymp ☐ AR ☐ PF ☐ Pure Tone ☐ SRT ☐ SRT ☐ SpDiscrim ☐

All Tests ☐

Current Tests ☐

FIG. 10A

1020

Otogram

Report

Redo Some Tests 1002

New Session 1004

View Report 1006

Print Billing 1008

Print Report 1010

Tymp ☒ AR ☒ Pure Tone ☒ SRT ☐ SpDiscrim ☐

All Tests ☐

Change Report Style 1032 View Saved Report 1034 Save Report 1030

1028

Name J. Q.
Date 09/14/2002
Time 13:28
DOB Age 45 years
Sex Male

Chart# Profound Unilateral Loss
Physician
Tester
Clinic
Elapsed
Tympany
TAR: PT:13.98 SRT:2.95 SD:1.41

Right Air and Bone Conduction

Left Air and Bone Conduction

Frequency in Hertz (Hz)

1022

1024

1026

Speech Intelligibility

Symbols

FIG. 10B

REPLACEMENT SHEET

18/19

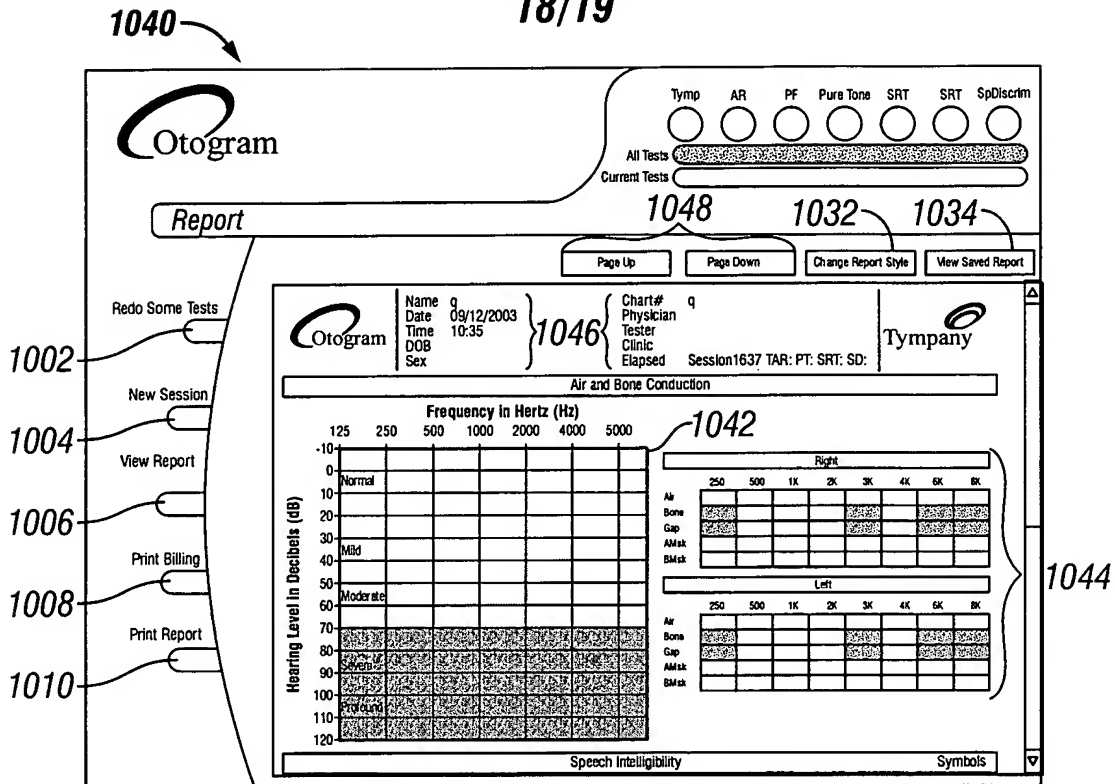


FIG. 10C

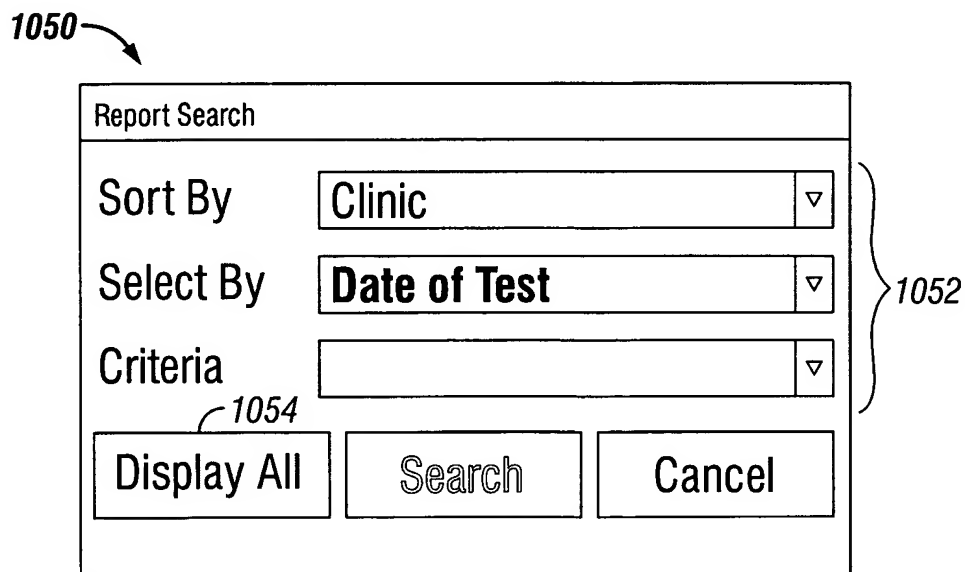


FIG. 10D

19/19

